

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	12	("20020195271"   "4490614"   "5061193"   "5793150"   "6180880"   "6183290"   "6305975"   "6364527"   "6441609"   "6521830"   "6542577"   "6737579").PN.	US-PGPUB; USPAT	AND	ON	2008/09/25 09:43
S5	9	((GERD) near2 (MORSBERGER)).INV.	US-PGPUB; USPAT; USOCR	AND	ON	2008/09/25 09:44
S4	6	((LARS) near2 (LAUER)).INV.	US-PGPUB; USPAT; USOCR	AND	ON	2008/09/25 09:44
S3	3	((RICHARD) near2 (BCHHORN)).INV.	US-PGPUB; USPAT; USOCR	AND	ON	2008/09/25 09:44
S2	11	((JOSEF) near2 (DEURINGER)).INV.	US-PGPUB; USPAT; USOCR	AND	ON	2008/09/25 09:44
S7	1	((ROLAND) near2 (RABE)).INV.	US-PGPUB; USPAT; USOCR	AND	ON	2008/09/25 09:45
S6	1	((PAUL) near2 (PONNATH)).INV.	US-PGPUB; USPAT; USOCR	AND	ON	2008/09/25 09:45
S8	26	S2 S3 S4 S5 S6 S7	US-PGPUB; USPAT	OR	ON	2008/09/25 09:46
S10	0	S8 S9	US-PGPUB; USPAT	AND	ON	2008/09/25 09:55
S9	65144	((@AD<"20040213") ((bushing or housing) near5 (tight or seal))	US-PGPUB; USPAT	AND	ON	2008/09/25 09:55
S11	658	((@AD<"20040213") ((bushing or housing or enclosure) near5 (tight or seal)) ((bushing or housing or enclosure) near5 (opening)) (((wiring or circuit) adj board) or ((flex or flexible) near5 (board or circuit) ) or fpc) via ((conductive adj layer) or trace or track or conductor)	US-PGPUB; USPAT	AND	ON	2008/09/25 10:01

S12	94	((@AD<"20040213") ((bushing or housing or enclosure) near5 (tight or seal)) ((bushing or housing or enclosure) near5 (opening)) (((wiring or circuit) adj board) or ((flex or flexible) near5 (board or circuit) ) or fpc) via ((conductive adj layer) or trace or track or conductor) (seal or (O adj ring)) ((pressure or pressing) near5 (board or plate)))	US-PGPUB; USPAT	AND	ON	2008/09/25 10:05
S13	2	((@AD<"20040213") ((bushing or housing or enclosure) near5 (tight or seal)) ((bushing or housing or enclosure) near5 (opening)) (((wiring or circuit) adj board) or ((flex or flexible) near5 (board or circuit) ) or fpc) via ((conductive adj layer) or trace or track or conductor) (seal or (O adj ring)) ((pressure or pressing) near5 (board or plate) near5 (screw or bolt)))	US-PGPUB; USPAT	AND	ON	2008/09/25 10:25
S14	6	((@AD<"20040213") ((bushing or housing or enclosure) near5 (tight or seal)) ((bushing or housing or enclosure) near5 (opening)) (((wiring or circuit) adj board) or ((flex or flexible) near5 (board or circuit) ) or fpc) (seal or (O adj ring)) ((pressure or pressing) near5 (board or plate) near5 (screw or bolt)))	US-PGPUB; USPAT	AND	ON	2008/09/25 10:29
S15	6	((@AD<"20040213") ((bushing or housing or enclosure) near5 (tight or seal)) ((bushing or housing or enclosure) near5 (opening)) (((wiring or circuit) adj board) or ((flex or flexible) near5 (board or circuit) ) or fpc) (seal or gasket or (O adj ring)) ((pressure or pressing) near5 (board or plate) near5 (screw or bolt)))	US-PGPUB; USPAT	AND	ON	2008/09/25 10:32

S17	0	((@AD<"20040213") ((bushing or housing or enclosure) near5 (tight or seal)) ((bushing or housing or enclosure) near5 (opening)) ((opening) near5 top near5 (((wiring or circuit) adj board) or ((flex or flexible) near5 (board or circuit) ) or fpc)) (seal or gasket or (O adj ring)) ((pressure or pressing) near5 (board or plate) near5 (screw or bolt))	US-PGPUB; USPAT	AND	ON	2008/09/25 10:35
S16	0	((@AD<"20040213") ((bushing or housing or enclosure) near5 (tight or seal)) ((bushing or housing or enclosure) near5 (opening)) ((opening) near8 (((wiring or circuit) adj board) or ((flex or flexible) near5 (board or circuit) ) or fpc)) (seal or gasket or (O adj ring)) ((pressure or pressing) near5 (board or plate) near5 (screw or bolt))	US-PGPUB; USPAT	AND	ON	2008/09/25 10:35
S18	0	((@AD<"20040213") ((bushing or housing or enclosure) near5 (tight or seal)) ((bushing or housing or enclosure) near5 (opening)) ((opening) with (((wiring or circuit) adj board) or ((flex or flexible) near5 (board or circuit) ) or fpc)) (seal or gasket or (O adj ring)) ((pressure or pressing) near5 (board or plate) near5 (screw or bolt))	US-PGPUB; USPAT	AND	ON	2008/09/25 10:36
S19	1	((@AD<"20040213") ((bushing or housing or enclosure) near5 (tight or seal)) ((bushing or housing or enclosure) near5 (opening)) (((wiring or circuit) adj board) or ((flex or flexible) near5 (board or circuit) ) or fpc) near5 (seal or gasket or (O adj ring))) ((pressure or pressing) near5 (screw or bolt))	US-PGPUB; USPAT	AND	ON	2008/09/25 10:52
S20	15795	((@AD<"20040213") (FPC or FPCB or ((flexible or flex) near2 (circuit or board or substrate))) via ((conductive adj layer) or trace or track or conductor)	US-PGPUB; USPAT	AND	ON	2008/09/25 10:59

S21	201	((@AD< "20040213") (FPC or FPCB or ((flexible or flex) near2 (circuit or board or substrate))) via ((conductive adj layer) or trace or track or conductor) (blind adj via)	US-PGPUB; USPAT	AND	ON	2008/09/25 11:03
S22	33	((@AD< "20040213") ((bushing or housing or enclosure) near5 (tight or seal)) ((bushing or housing or enclosure) near5 (opening)) (((wiring or circuit) adj board) or ((flex or flexible) near5 (board or circuit) ) or fpc) (seal or (O adj ring) or gasket) ((pressure or pressing) near5 (screw or bolt))	US-PGPUB; USPAT	AND	ON	2008/09/25 11:16
S24	3	S23 bushing	US-PGPUB; USPAT	AND	ON	2008/09/25 11:44
S23	20	(US-20020195271-\$ or US-20010049965-\$).did. or (US-6737579-\$ or US-6542577-\$ or US-6521830-\$ or US-6441609-\$ or US-6364527-\$ or US-6305975-\$ or US-6183290-\$ or US-6180880-\$ or US-4490614-\$ or US-5793150-\$ or US-5061193-\$ or US-6640645-\$ or US-4606133-\$ or US-5439021-\$ or US-7278205-\$ or US-7164197-\$ or US-6931723-\$ or US-7063511-\$).did.	US-PGPUB; USPAT	AND	ON	2008/09/25 11:44
S26	0	((@AD< "20040213") (((wiring or circuit) adj board) or FPC or FPCB or ((flexible or flex) near2 (circuit or board or substrate))) nera5 (seal or (O adj ring) or gasket)) opening	US-PGPUB; USPAT	AND	ON	2008/09/25 13:00
S25	0	((@AD< "20040213") (((wiring or circuit) adj board) or FPC or FPCB or ((flexible or flex) near2 (circuit or board or substrate))) nera5 (seal or (O adj ring) or gasket)) (((wiring or circuit) adj board) or FPC or FPCB or ((flexible or flex) near2 (circuit or board or substrate))) nera5 opening)	US-PGPUB; USPAT	AND	ON	2008/09/25 13:00
S29	1909	((@AD< "20040213") (((wiring or circuit) adj board) or FPC or FPCB or ((flexible or flex) near2 (circuit or board or substrate))) near5 (seal or (O adj ring) or gasket))	US-PGPUB; USPAT	AND	ON	2008/09/25 13:01

S28	35826	((@AD<"20040213") (((wiring or circuit) adj board) or FPC or FPCB or ((flexible or flex) near2 (circuit or board or substrate))) (seal or (O adj ring) or gasket))	US-PGPUB; USPAT	AND	ON	2008/09/25 13:01
S27	0	((@AD<"20040213") (((wiring or circuit) adj board) or FPC or FPCB or ((flexible or flex) near2 (circuit or board or substrate))) near5 (seal or (O adj ring) or gasket))	US-PGPUB; USPAT	AND	ON	2008/09/25 13:01
S30	327	((@AD<"20040213") (((wiring or circuit) adj board) or FPC or FPCB or ((flexible or flex) near2 (circuit or board or substrate))) near5 (seal or (O adj ring) or gasket)) (((wiring or circuit) adj board) or FPC or FPCB or ((flexible or flex) near2 (circuit or board or substrate))) near5 opening)	US-PGPUB; USPAT	AND	ON	2008/09/25 13:02
S32	165	((@AD<"20040213") (((wiring or circuit) adj board) or FPC or FPCB or ((flexible or flex) near2 (circuit or board or substrate))) near3 (seal or (O adj ring) or gasket)) (((wiring or circuit) adj board) or FPC or FPCB or ((flexible or flex) near2 (circuit or board or substrate))) near3 opening)	US-PGPUB; USPAT	AND	ON	2008/09/25 13:03
S31	262	((@AD<"20040213") (((wiring or circuit) adj board) or FPC or FPCB or ((flexible or flex) near2 (circuit or board or substrate))) near4 (seal or (O adj ring) or gasket)) (((wiring or circuit) adj board) or FPC or FPCB or ((flexible or flex) near2 (circuit or board or substrate))) near4 opening)	US-PGPUB; USPAT	AND	ON	2008/09/25 13:03
S34	38	S32 S33	US-PGPUB; USPAT	AND	ON	2008/09/25 13:04
S33	81	((@AD<"20040213") (((wiring or circuit) adj board) or FPC or FPCB or ((flexible or flex) near2 (circuit or board or substrate))) near5 (seal or (O adj ring) or gasket) near5 opening)	US-PGPUB; USPAT	AND	ON	2008/09/25 13:04
S35	289	S31 S32 S33	US-PGPUB; USPAT	OR	ON	2008/09/25 13:14

S37	8	S35 ((water or loiquid) adj (tight or prove))	US-PGPUB; USPAT	AND	ON	2008/09/25 13:15
S36	22107	S35 ((water or loiquid) adj (tight or prove))	US-PGPUB; USPAT	OR	ON	2008/09/25 13:15
S38	9650	((@AD< "20040213") (X adj ray adj tube)	US-PGPUB; USPAT	AND	ON	2008/09/25 15:13
S40	0	S11 S39	US-PGPUB; USPAT	AND	ON	2008/09/25 15:14
S39	193	S9 S38	US-PGPUB; USPAT	AND	ON	2008/09/25 15:14
S44	1	S43 S39	US-PGPUB; USPAT	AND	ON	2008/09/25 15:15
S43	24	(US-20020195271-\$ or US-20010049965-\$).did. or (US-6737579-\$ or US-6542577-\$ or US-6521830-\$ or US-6441609-\$ or US-6364527-\$ or US-6305975-\$ or US-6183290-\$ or US-6180880-\$ or US-4490614-\$ or US-5793150-\$ or US-5061193-\$ or US-6640645-\$ or US-4606133-\$ or US-5439021-\$ or US-7278205-\$ or US-7164197-\$ or US-6931723-\$ or US-7063511-\$ or US-3879836-\$ or US-5987996-\$ or US-6614108-\$ or US-5844781-\$). did.	US-PGPUB; USPAT	AND	ON	2008/09/25 15:15
S42	5	S28 S39	US-PGPUB; USPAT	AND	ON	2008/09/25 15:15
S41	0	S20 S39	US-PGPUB; USPAT	AND	ON	2008/09/25 15:15
S45	2354	361/752,679,749-751.cor. 174/262,541,539,564.cor.	US-PGPUB; USPAT	OR	ON	2008/09/25 16:10
S46	6	S30 S45	US-PGPUB; USPAT	AND	ON	2008/09/25 16:11
S47	11	(US-6542577-\$ or US-6305975-\$ or US-6183290-\$ or US-6640645-\$ or US-7164197-\$ or US-6931723-\$ or US-7063511-\$ or US-3879836-\$ or US-5987996-\$ or US-6614108-\$ or US-5844781-\$).did.	USPAT	AND	ON	2008/09/25 16:16

S48	7	((@AD<"20040213")(X adj ray adj tube) ((tight\$3 or seal\$3 or cover\$3) near5 ((bushing or housing or enclosure or opening) and (((wiring or circuit) adj (board or substrate)) or ((flex or flexible) near5 (board or substrate or circuit)) or fpc or pcb)))	US-PGPUB; USPAT	AND	ON	2009/07/20 15:13
S49	45	((@AD<"20040213") (((wiring or circuit) adj (board or substrate)) or ((flex or flexible) near5 (board or substrate or circuit)) or fpc or pcb) near5 (tight\$3 or seal\$3 or cover\$3) near5 (opening near2 (bushing or housing or enclosure or tube)))	US-PGPUB; USPAT	AND	ON	2009/07/20 15:35
S50	20	((@AD<"20040213") (((wiring or circuit) adj (board or substrate)) or ((flex or flexible) near5 (board or substrate or circuit)) or fpc or pcb) near5 (tight\$3 or seal\$3) near5 (opening near2 (bushing or housing or enclosure or tube)))	US-PGPUB; USPAT	AND	ON	2009/07/20 15:37
S51	11	((@AD<"20040213") (((wiring or circuit) adj (board or substrate)) or ((flex or flexible) near5 (board or substrate or circuit)) or fpc or pcb) near5 (tight\$3 or seal\$3) near5 (opening near2 (bushing or housing or enclosure or tube))) ((tight\$3 or seal\$3) near5 (ring or gasket or seal))	US-PGPUB; USPAT	AND	ON	2009/07/20 17:32
L16	4	((@AD<"20040213") (((wiring or circuit) adj (board or substrate)) or ((flex or flexible) near5 (board or substrate or circuit)) or fpc or pcb) near5 (tight\$3 or seal\$3) near5 (bushing or housing or enclosure or tube)) (((wiring or circuit) adj (board or substrate)) or ((flex or flexible) near5 (board or substrate or circuit)) or fpc or pcb) near5 ((press\$3 or reinforc\$3) adj (board or plate)))	US-PGPUB; USPAT	AND	ON	2009/07/21 14:39

L17	111	((@AD<"20040213") (((wiring or circuit) adj (board or substrate)) or ((flex or flexible) near5 (board or substrate or circuit)) or fpc or pcb near5 (tight\$3 or seal\$3) near5 (bushing or housing or enclosure or tube)) (((wiring or circuit) adj (board or substrate)) or ((flex or flexible) near5 (board or substrate or circuit)) or fpc or pcb near5 ((press\$3 or reinforc\$3) near4 (board or plate)))	US-PGPUB; USPAT	AND	ON	2009/07/21 14:40
L18	93	((@AD<"20040213") (((wiring or circuit) adj (board or substrate)) or ((flex or flexible) near5 (board or substrate or circuit)) or fpc or pcb near5 (tight\$3 or seal\$3) near5 (bushing or housing or enclosure or tube)) (((wiring or circuit) adj (board or substrate)) or ((flex or flexible) near5 (board or substrate or circuit)) or fpc or pcb near5 ((press\$3 or reinforc\$3) near4 (board or plate))) seal	US-PGPUB; USPAT	AND	ON	2009/07/21 14:41
L20	41	((@AD<"20040213") (((wiring or circuit) adj (board or substrate)) or ((flex or flexible) near5 (board or substrate or circuit)) or fpc or pcb near5 (tight\$3 or seal\$3) near5 (bushing or housing or enclosure or tube)) (((wiring or circuit) adj (board or substrate)) or ((flex or flexible) near5 (board or substrate or circuit)) or fpc or pcb near5 ((press\$3 or reinforc\$3) near2 (board or plate))) seal\$3	US-PGPUB; USPAT	AND	ON	2009/07/21 14:42
L19	38	((@AD<"20040213") (((wiring or circuit) adj (board or substrate)) or ((flex or flexible) near5 (board or substrate or circuit)) or fpc or pcb near5 (tight\$3 or seal\$3) near5 (bushing or housing or enclosure or tube)) (((wiring or circuit) adj (board or substrate)) or ((flex or flexible) near5 (board or substrate or circuit)) or fpc or pcb near5 ((press\$3 or reinforc\$3) near2	US-PGPUB; USPAT	AND	ON	2009/07/21 14:42



		(board or plate))) seal				
L21	21	((@AD<"20040213") (((wiring or circuit) adj (board or substrate)) or ((flex or flexible) near5 (board or substrate or circuit)) or fpc or pcb near5 (tight\$3 or seal\$3) near5 (bushing or housing or enclosure or tube)) (((wiring or circuit) adj (board or substrate)) or ((flex or flexible) near5 (board or substrate or circuit)) or fpc or pcb near5 between near5 ((press\$3 or reinforc\$3) near4 (board or plate)))	US-PGPUB; USPAT	AND	ON	2009/07/21 14:46
L24	1957	361/752,679,749-751.cor. 174/262,541,539,564.cor.	US-PGPUB; USPAT	OR	ON	2009/07/21 16:28
L26	6	24 L25	US-PGPUB; USPAT	AND	ON	2009/07/21 16:30
L25	328	((@AD<"20040213") (((wiring or circuit) adj board) or FPC or FPCB or ((flexible or flex) near2 (circuit or board or substrate))) near5 (seal or (O adj ring) or gasket)) (((wiring or circuit) adj board) or FPC or FPCB or ((flexible or flex) near2 (circuit or board or substrate))) near5 opening)	US-PGPUB; USPAT	AND	ON	2009/07/21 16:30

7/ 21/ 2009 4:30:53 PM

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